3-014 SAN ANTONIO CREEK VALLEY

Basin Boundaries

Summary

The San Antonio Creek Valley groundwater basin is located in western Santa Barbara County. The basin is bound on the north by the Solomon-Casmalia Hills and the Santa Maria Valley groundwater adjudication boundary. The basin is bound on the east by the San Rafael Mountains and a watershed divide separating the adjoining Santa Ynez River Valley groundwater basin. The basin is bound on the south by the Purisima Hills and bound on the west by the approximate western boundary of Barka Slough. The valley is drained by San Antonio Creek. Average annual precipitation ranges from 15 to 19 inches.The boundary is defined by thirteen (13) segments detailed in the descriptions below.

Segment Descriptions

Segment Label	Segment Type	Description	Ref
1-2	E Non-Alluvial	Begins at point (1) and follows the contact of Careaga Sandstone with Older Dissected Surficial Sediments and Sisquoc Formation to point (2).	{a}
2-3	E Watershed	Continues from point (2) and follows the San Antonio Creek watershed to point (3).	{b}
3-4	I Watershed	Continues from point (3) and follows the San Antonio Creek watershed to point (4).	{b}
4-5	I Management Area	Continues from point (4) and follows the Santa Maria Valley adjudication boundary to point (5).	{c}
5-6	I Watershed	Continues from point (5) and follows the San Antonio Creek watershed to point (6).	{b}
6-7	I Management Area	Continues from point (6) and follows the Santa Maria Valley adjudication boundary to point (7).	{c}
7-8	E Non-Alluvial	Continues from point (7) and follows the contact of Careaga Sandstone with Older Dissected Surficial Sediments and Sisquoc Formation to point (8).	{d}
8-9	E Non-Alluvial	Continues from point (8) and follows the contact of Plio-Pleistocene nonmarine deposits with Miocene marine deposits to point (9).	{e}
9-10	I Watershed	Continues from point (9) and follows the Santa Ynez watershed to point (10).	{b}
10-11	I Watershed	Continues from point (10) and follows the San Antonio watershed to point (11).	{b}
11-12	E Non-Alluvial	Continues from point (11) and follows the contact of Careaga Sandstone with Sisquoc Formation and Foxen Claystone to point (12).	{f}
12-13	I Water Agency	Continues from point (12) and follows the Santa Ynez River Water Conservation District boundary to point (13).	{d}

13-1	E Non-Alluvial	Continues from point (13) and follows the contact of Careaga Sandstone with Foxen Claystone, crosses the alluvium of San Antonio Valley and follows the contact of Careaga Sandstone with Older Dissected Surficial Sediments to end at point (1).	{d}

Significant Coordinates

Point	Latitude	Longitude
1	34.806538389	-120.520227225
2	34.83949622	-120.4666739
3	34.832893973	-120.456294707
4	34.832608835	-120.453649395
5	34.831389007	-120.431640207
6	34.818016536	-120.360087772
7	34.792654251	-120.254926995
8	34.776677181	-120.161497066
9	34.778749192	-120.098290413
10	34.771245968	-120.12068462
11	34.708929301	-120.204957428
12	34.717763882	-120.348727694
13	34.729443516	-120.416663071

Map

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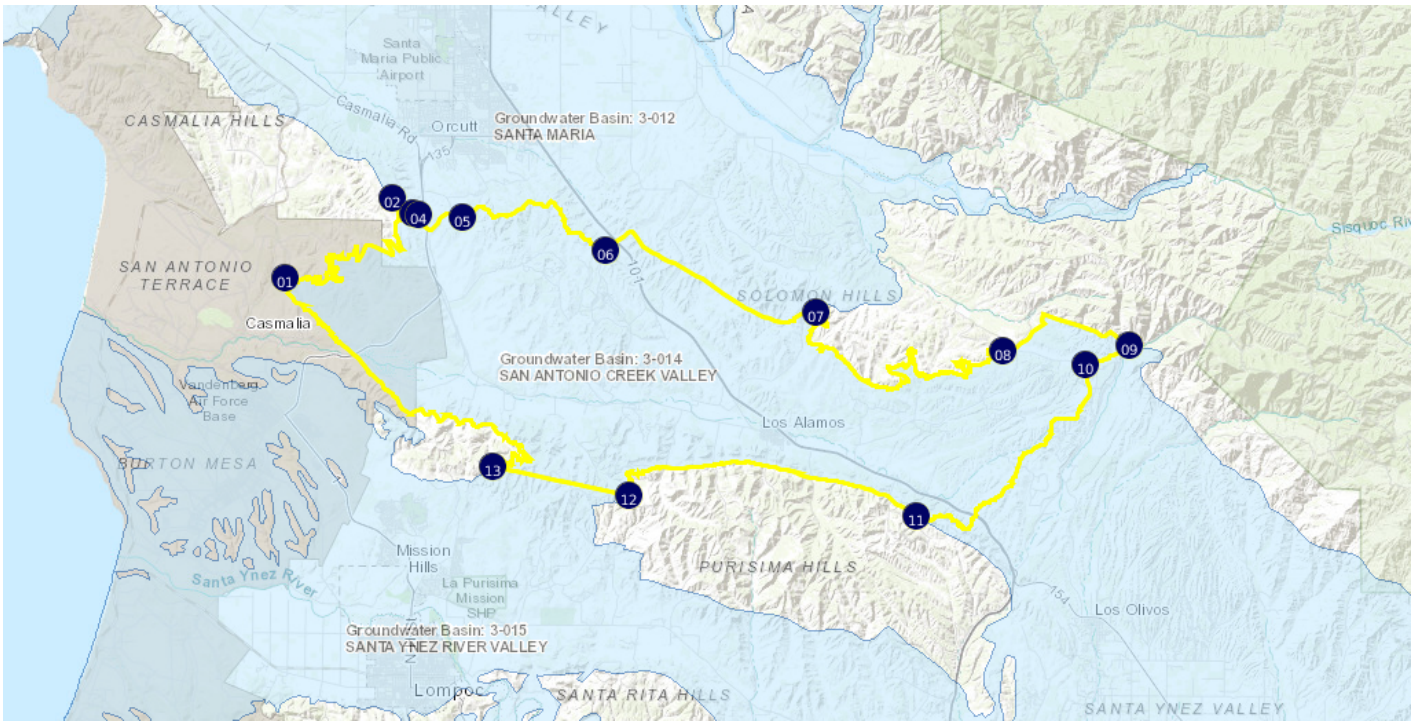

https://sgma.water.ca.gov/webgis/?appid=160718113212&subbasinid=3-014

References

Ref	Citation	Pub Date	Global ID
{a}	Diblee Geological Foundation, Geologic map of the Casmalia and Orcutt quadrangles, Santa Barbara County, California, 1:24,000, T.W. Dibblee and H.E. Ehrenspeck.URL: https://www.sbnature.org/dibblee/newweb/maps.html	1989	59
{b}	United States Geological Survey (USGS), National Hydrography Dataset, Watershed Boundary Dataset for California, note: Coordinated effort among the United States Department of Agriculture-Natural Resources Conservation Service (USDA-NRCS), the United States Geological Survey (USGS), and the Environmental Protection Agency (EPA).URL: http://datagateway.nrcs.usda.gov	2016	49
{c}	California Department of Water Resources (DWR), Adjudicated Basins GIS layer, .URL: https://gis.water.ca.gov/app/bbat/	2016	44
{d}	BBMRS	varies	45
{e}	California Geological Survey (CGS), Geologic Atlas of California Map No. 021, Santa Maria Sheet, 1:250,000, Charles W. Jennings.URL: http://www.quake.ca.gov/gmaps/GAM/santamaria/santamaria.html	1959	26
{f}	California Department of Water Resources (DWR), Water Agencies Dataset.URL: https://gis.water.ca.gov/app/bbat/	2016	48

Footnotes

- I: Internal
- E: External